

NPIC/TSSG/DED-1747-69  
1 August 1969

MEMORANDUM FOR: Chief, Technical Services & Support Group

ATTENTION : [ ] PS/TSSG

SUBJECT : DED Monthly Report on Significant Events (July-August 1969)

A. Significant Items of Interest for July 1969.

1. Resumed Work at [ ] - On 14 July work was resumed at [ ] on a limited continuation of the Automatic Stereo Scanner. This work is primarily limited to bench testing of the complete optical system. All other tasks will remain in a "stop work" status until the optical system is proved.
2. High Precision Stereo Comparator - The HPSC program is on schedule. The technical monitor along with representatives from TSSG/APSD, IEG/PHD, and PSG/AID visited [ ] during July to monitor the progress of the computer programming and documentation for the [ ] 516 computer. Approximately 60% of the programming has been completed and the work is progressing very well.
3. Advanced Stereo Rhomboids - The contractor has been required to stop all work on the fabrication of this instrument because he has exhausted all of the funding under the contract. The instrument has been assembled and tested to show that the basic concept is sound, but certain of the optical elements were either not manufactured or not mounted correctly; therefore, rework will be required to bring the instrument within the performance specifications necessitated by NPIC's requirements. The contractor has requested that additional funds be appropriated to complete the prototype and the approval is pending within NPIC.
4. TICOF - TICOF became operational on 7 July. Monitors and PI's were briefed and underwent training the preceding week. Preliminary analysis of the data collected through 25 July is in progress.
5. [ ] Screen - A monitoring trip to [ ] was made the end of July. [ ] has developed the "first-cut" of a lenticular type rear projection screen which shows promise of an MTF of 0.8 at 10 to 20 lines per millimeter. Reflectance is low, brightness

**SUBJECT: DED Monthly Report on Significant Events (July-August 1969)**

25X1 acceptable and brightness variation nil up to about 30 degrees off axis. No measurements have been made but, subjectively, this screen looks better than the discrete particle screens previously developed by [ ] Test results should be available the end of September.

6. Visual Acuity Test Program - Analysis of the 1968-1969 results of the Center's Visual Acuity Test Program was completed during the first week of July. No significant differences among the groups of interpreters on any test were obtained, nor were significant differences found between test and retest results. The data suggest that testing be continued on a yearly basis.

7. Dry Photo Process Film Study - A request to extend the present contract to October 1969, without any increase in funds, has been submitted to logistics. A proposal for a follow-on effort to 30 June 1970 has been received and is being processed.

8. Chip Implementation Study - A contract with the [ ] was signed on 25 June 1969. Current effort is directed toward getting the necessary code-word clearances for participating contractor personnel.

25X1

**B. Anticipated Items of Interest for August 1969.**

1. Scan & Search PI Station - On 20 August [ ] will brief the NPIC Evaluation Team on the various optional configurations of a Scan and Search PI Station. This team, whose members have been appointed by the Groups and Staffs, will recommend (by 3 September) that configuration to be designed by [ ]

25X1

25X1

2. Cloud Screening - In late August, an NPIC team will evaluate the two cloud screening techniques (optical or electronic) being developed at [ ] This team is tasked to select the best techniques for implementation of a prototype cloud screening device.

25X1

[ ]  
Chief, Development and Engineering Division

25X1

**Distribution:**  
Orig - Addressee  
3 - DED